



XA-10153
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent of:

Yasuhisa YAMADA et al.

Patent No.: 7,322,607

Appln. No.: 10/504,815

Issued: January 29, 2008

Filed: August 17, 2004

For: TELESCOPIC SHAFT FOR STEERING OF VEHICLE, AND TELESCOPIC SHAFT
FOR STEERING OF VEHICLE WITH CARDAN SHAFT JOINT

* * *

**REQUEST FOR EXPEDITED ISSUANCE OF CERTIFICATE OF
CORRECTION UNDER 37 C.F.R. § 1.322**

ATTN.: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Certificate
JAN 27 2009
of Correction

Sir:

Pursuant to the provisions of 37 C.F.R. §1.322 and 35 U.S.C. §254, the Patentees respectfully request expedited issuance of a Certificate of Correction in accordance with the attached Form PTO/SB/44. In particular, the title of the invention is incorrect and the fifth inventor should be deleted.

To facilitate expedited processing of this Request, copies of the following are provided herewith:

1. Regarding the correct title, see the accompanying copies of the application Transmittal Letter, the Declaration, and page 1 of the specification
2. Regarding the inventorship, see the accompanying copies of the Request to Correct Inventorship dated August 2, 2007, and the Bibliographic Data Sheet subsequently obtained from PAIR and reflecting deletion of the fifth inventor (for reasons unknown, this data sheet appears to have been removed from the image file wrapper).

Since the errors to be corrected occurred on the part of the Patent Office, no fee is believed to be due in connection with this Request. However, please charge any deficiencies or credit any overpayments to our Deposit Account No. 50-1165.

Respectfully submitted,

Date: January 23, 2009
Miles & Stockbridge, P.C.
1751 Pinnacle Drive
Suite 500
McLean, Virginia 22102-3833
(703) 903-9000

By: Mitchell W. Shapiro
Mitchell W. Shapiro
Reg. No. 31,568

JAN 27 2009

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,322,607
APPLICATION NO. : 10/504,815
ISSUE DATE : January 29, 2008
INVENTOR(S) : YAMADA, Yasuhisa; SHODA, Akihiro; OZAWA, Atsushi; YUKAWA, Kinji

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (54), the title should read as follows :

**(54) TELESCOPIC SHAFT FOR STEERING VEHICLE AND TELESCOPIC
SHAFT FOR STEERING VEHICLE WITH CARDAN SHAFT JOINT**

On the title page, item (75), the listing of inventors should read as follows :

**(75) Yasuhisa Yamada, Gunma-ken (JP);
Akihiro Shoda, Gunma-ken (JP);
Atsushi Ozawa, Kanagawa-ken (JP);
Kinji Yukawa, Kanagawa-ken (JP)**

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Miles & Stockbridge P.C.
1751 Pinnacle Drive, Suite 500
McLean, VA 22102

This collection of information is required by 37 CFR 1.322, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 27 2009

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

XA-10153

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

10/504815

INTERNATIONAL APPLICATION NO.

PCT/JP03/07323

INTERNATIONAL FILING DATE

10 June 2003

PRIORITY DATE CLAIMED

11 June 2002

TITLE OF INVENTION

TELESCOPIC SHAFT FOR STEERING VEHICLE AND TELESCOPIC SHAFT FOR STEERING VEHICLE WITH
CARDAN SHAFT JOINT

APPLICANT(S) FOR DO/EO/US

YAMADA, Yasuhisa; SHODA, Akhiro; OZAWA, Atsushi; YUKAWA, Kinji; and YAMADA, Takatsugu

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☒ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☐ Express Mail Label No.
23. ☒ Other items or information:

copy of Form PCT/IB/308
39 sheets of formal drawings (Figs. 1-39B)ASSIGNEE INFORMATION

Assignee: NSK Ltd.

JAN 27 2009

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初で、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

TELESCOPIC SHAFT FOR STEERING
OF VEHICLE, AND TELESCOPIC
SHAFT FOR STEERING OF VEHICLE
WITH CARDAN SHAFT JOINT

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked:

☐ _____ の日に出願され、
この出願の米国出願番号または PCT 国際出願番号は、
_____ であり、且つ
_____ の日に補正された出願（該当する場合）

☒ was filed on June 10, 2003
as United States Application Number or
PCT International Application Number
PCT/JP03/07323 and was amended on
_____ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第 37 編規則 1.56 に定義されている、特許性について重要な情報を開示する義務があることを承認する。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Japanese Language Declaration

日本語宣言書

私は、ここに、以下に記載した外国での特許出願または発明者証出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権の利益を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国で特許出願または発明者証出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)
外国での先行出願

Priority Claimed YES NO

優先権主張 あり なし

2002-170552 JAPAN
(Number) (Country)
(番号) (国名)

11/June/2002
(Day/Month/Year Filed)
(出願日/月/年)

☒ ☐

2003-004774 JAPAN
(Number) (Country)
(番号) (国名)

10/January/2003
(Day/Month/Year Filed)
(出願日/月/年)

☒ ☐

他の優先権出願については添付のリスト参照

See attached list for additional prior foreign applications.

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関する重要な情報について開示義務があることを承認する。

(Application No.)
(出願番号)

(Filing Date)
(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可、係属中、放棄)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁理士及び／または弁理士を任命する。

POWER OF ATTORNEY: As a named inventor, I hereby appoint The following attorney(s) and/or agent(s) to prosecute this Application and transact all business in the Patent and Trademark Office connected therewith.

Nelson H. Shapiro, Reg. No. 17,095, Mitchell W. Shapiro, Reg. No. 31,568 and the other practitioners associated with Customer No. 000181

全ての通信は下記の住所へ送付されたい。

Please direct all communications to the following address:

Customer No. 000181

唯一または第一発明者氏名

Full name of sole or first inventor

発明者の署名

日付

Yasuhisa YAMADA

Signature

Date

June 21, 2004

住所

Residence

Gunma-ken, Japan

JPX

国籍

Citizenship

JAPAN

郵便の宛先

Post Office Address

c/o NSK LTD., 8-1, Soja-machi 1-chome, Maebashi-shi, Gunma 371-0853 Japan

第二共同発明者がいる場合、その氏名

Full name of second joint inventor, if any

発明者の署名

日付

Akihiro SHODA

Signature

Date

June 21, 2004

住所

Residence

Gunma-ken, Japan

JPX

国籍

Citizenship

JAPAN

郵便の宛先

Post Office Address

c/o NSK LTD., 8-1, Soja-machi 1-chome, Maebashi-shi, Gunma 371-0853 Japan

第三共同発明者がいる場合、その氏名

Full name of third joint inventor, if any

発明者の署名

日付

Atsushi OZAWA

Signature

Date

June 21, 2004

住所

Residence

Kanagawa-ken, Japan

JPX

国籍

Citizenship

JAPAN

郵便の宛先

Post Office Address

c/o NSK LTD., 5-50, Kugenumashinmei 1-chome, Fujisawa-shi, Kanagawa 251-0021 Japan

第四共同発明者がある場合、その氏名		Full name of fourth joint inventor	
発明者の署名	日付	Signature <u>Kinji YUKAWA</u>	Date June 21, 2004
住所		Residence <u>Kanagawa-ken, Japan</u>	JPX
国籍		Citizenship JAPAN	
郵便の宛先		Post Office Address c/o NSK LTD., 5-50, Kugenumashinmei 1-chome, Fujisawa-shi, Kanagawa 251-0021 Japan	
第五共同発明者がある場合、その氏名		Full name of fifth joint inventor, if any	
発明者の署名	日付	Signature <u>Takatsugu YAMADA</u>	Date June 21, 2004
住所		Residence <u>Gunma-ken, Japan</u>	JPX
国籍		Citizenship JAPAN	
郵便の宛先		Post Office Address c/o NSK LTD., 8-1, Soja-machi 1-chome, Maebashi-shi, Gunma 371-0853 Japan	
第六共同発明者がある場合、その氏名		Full name of sixth joint inventor, if any	
発明者の署名	日付	Signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	
第七共同発明者がある場合、その氏名		Full name of seventh joint inventor, if any	
発明者の署名	日付	Signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	
第八共同発明者がある場合、その氏名		Full name of eighth joint inventor, if any	
発明者の署名	日付	Signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

39 / prk

10/504815
DT12 Rec'd PCT/PTO 17 AUG 2004

- 1 -

NSK2585PCTUS

DESCRIPTION

TELESCOPIC SHAFT FOR STEERING OF VEHICLE, AND

5 TELESCOPIC SHAFT FOR STEERING OF VEHICLE WITH CARDAN
SHAFT JOINT

Technical Field

10 The present invention relates to a telescopic
shaft for steering of a vehicle and a telescopic
shaft for steering of a vehicle with a Cardan shaft
joint.

Background Arts

15 In a steering apparatus for a vehicle, an
intermediate shaft is provided, for instance, between
a Cardan shaft joint provided on the side of a
steering shaft and a Cardan shaft joint provided on
the side of a steering gear.

20 The intermediate shaft is constructed of a male
shaft and a female shaft that are so spline-fitted,
etc. as not to be rotatable but to be slidable on
each other. The intermediate shaft is structured to
be capable of transferring a steering torque in a
25 high rigidity state while preventing a backlash in
order to surely transfer the steering torque given
from a driver to the steering gear, absorbing an

JAN 27 2009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

First Named Inventor: Yasuhisa YAMADA Art Unit: 3616
Appln. No.: 10/504,815 Examiner: T. To
Filed: August 17, 2004

For: TELESCOPIC SHAFT FOR STEERING OF VEHICLE, AND
TELESCOPIC SHAFT FOR STEERING OF VEHICLE WITH
CARDAN SHAFT JOINT

* * *

REQUEST UNDER 37 C.F.R. § 1.48(b)
TO CORRECT INVENTORSHIP

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that the inventorship of this application be corrected by deleting Takatsugu YAMADA as a named inventor.

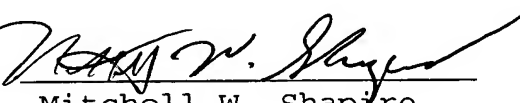
As a result of the cancellation of claims by the Amendment dated December 28, 2006, the invention of Takatsugu YAMADA is no longer being claimed in this application.

The Commissioner is hereby authorized to charge to Deposit Account No. 50-1165 any fees under 37 C.F.R. §§ 1.16

JAN 27 2009

and 1.17 that may be required by this paper, and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been requested separately, such extension is hereby requested.

Respectfully submitted,

By: 
Mitchell W. Shapiro
Reg. No. 31,568

MWS:ecr:dmr
Miles & Stockbridge, P.C.
1751 Pinnacle Drive
Suite 500
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(703) 903-9000

August 2, 2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 5583

SERIAL NUMBER 10/504,815	FILING or 371(c) DATE 08/17/2004 RULE	CLASS 180	GROUP ART UNIT 3616	ATTORNEY DOCKET NO. XA-10153		
APPLICANTS Yasuhisa Yamada, Gunma-Ken, JAPAN; Akihiro Shoda, Gunma-Ken, JAPAN; Atsushi Ozawa, Kanagawa-Ken, JAPAN; Kinji Yukawa, Kanagawa-Ken, JAPAN;						
** CONTINUING DATA ***** This application is a 371 of PCT/JP03/07323 06/10/2003						
** FOREIGN APPLICATIONS ***** JAPAN 2002-170552 06/11/2002 JAPAN 2003-004774 01/10/2003						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 12/05/2007						
Foreign Priority claimed <input type="checkbox"/> Yes <input type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input type="checkbox"/> No Verified and Acknowledged <u>Examiner's Signature</u>		<input type="checkbox"/> Met after Allowance <u>Initials</u>	STATE OR COUNTRY JAPAN	SHEETS DRAWINGS 39	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 4
ADDRESS MILES & STOCKBRIDGE PC 1751 PINNACLE DRIVE SUITE 500 MCLEAN, VA 22102-3833 UNITED STATES						
TITLE TELESCOPIC SHAFT FOR STEERING VEHICLE AND TELESCOPIC SHAFT FOR STEERING VEHICLE WITH CARDAN SHAFT COUPLING						
FILING FEE RECEIVED 1306	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

JAN 27 2009